

Protocol: DNA Ligation

- 0.5 uL T4DNA ligase
 - 2 uL T4DNA ligase buffer (5X)
 - Backbone → use a whole number of microliters(10 to 20 ng)
→ 1-5 molar ratio of backbone to insert (5 times the amount of backbone in moles)
 - insert (5x of backbone in moles)
 - water
- 10uL total volume

- you want a negative control in which you have no mRFP and have the remaining volume be water.

Incubate in 16C overnight